

CURRICULUM VITAE

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Education

PhD., Department of Chemical Engineering, National Cheng Kung University (2004)

M.S., Chemical Engineering, National Cheng Kung University, Taiwan (1997)

B.S., Chemical Engineering, National Cheng Kung University, Taiwan (1995)

Work Experience

02/2015-present: Professor, Department of Chemical Engineering, Taiwan Tech.

08/2011-01/2015: Associated Professor, Department of Chemical Engineering, Taiwan Tech.

02/2006-07/2011: Assistant Professor, Department of Chemical Engineering, Taiwan Tech

08/2016-07/2018: Vice chairman, Department of Chemical Engineering, Taiwan Tech

Abstract

Halide perovskites have attracted the noticeable attention and have gone through unprecedentedly rapid progress for optoelectronic applications within several years. Halide perovskites have long charge carrier diffusion lengths, sharp absorption edges with small Urbach tails, bandgap tunability over visible range, easy and cost-effective solution processability. In today's talk, I will briefly introduce the fundamental properties of halide perovskite nanomaterials and their applications on optoelectronic devices in recent.